



# An IOT Based Smart Patient Health Monitoring System using ESP32

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**Abstract** – Human health is the entire state of being physically, socially and mentally effective because a medical condition. We must always be mindful for our health and remain vigilant if we experience any discomfort. To maintain our health, we should exercise frequently. Stress is the main thing to affect human health and create changes in our body conditions by affecting various parameters like temperature, heart beat and pulse rate. In order to check the health a simple module is developed using ESP8266. ESP8266 is used to monitor all the parameters and a system for monitoring attention on mobile devices is developed that may provide periodical online data about a patient's physiological parameter conditions. It is mainly composed of sensors, an information acquisition unit. Code was used to programme the Arduino. The system will monitors, displays and scores the patient's temperature, heart rate, blood pressure and graph knowledge. It also sends these data to the patient's and doctor's mobile device. Sensible Health Observation System will track and record the health status for the web page. The primary goal of this project is to create a rational and trustworthy Internet of Things patient health observation system so that healthcare providers can keep an eye on their patients.

**Index Terms**— Patient Smart Healthcare Systems, ESP8266, Cloud Computing Methodology, Implementation with IOT, Artificial Intelligence, Patient health monitoring.

# Iot Based Smart Monitoring System Jetir

**Vijay Singh Rathore, João Manuel R. S.  
Tavares, Vincenzo Piuri, B. Surendiran**

## **Iot Based Smart Monitoring System Jetir :**

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- Chapter 2: Essential Elements of Iot Based Smart Monitoring System Jetir
- Chapter 3: Iot Based Smart Monitoring System Jetir in Everyday Life
- Chapter 4: Iot Based Smart Monitoring System Jetir in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Iot Based Smart Monitoring System Jetir . The first chapter will explore what Iot Based Smart Monitoring System Jetir is, why Iot Based Smart Monitoring System Jetir is vital, and how to effectively learn about Iot Based Smart Monitoring System Jetir .

3. In chapter 2, the author will delve into the foundational concepts of Iot Based Smart Monitoring System Jetir . This chapter will elucidate the essential principles that need to be understood to grasp Iot Based Smart Monitoring System Jetir in its entirety.

4. In chapter 3, this book will examine the practical applications of Iot Based Smart Monitoring System Jetir in daily life. This chapter will showcase real-world examples of how Iot Based Smart Monitoring System Jetir can be effectively utilized in everyday scenarios.

5. In chapter 4, the author will scrutinize the relevance of Iot Based Smart Monitoring System Jetir in specific contexts. The fourth chapter will explore how Iot Based Smart Monitoring System Jetir is applied in specialized fields, such as education, business, and technology.

6. In chapter 5, this book will draw a conclusion about Iot Based Smart Monitoring System Jetir . This chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Iot Based Smart Monitoring System Jetir .

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